Defendant's Demonstrative Exhibit Regarding The Low Quality and Methodological Unsoundness of Plaintiff's Medical Literature

Exhibit	Study	Plaintiff's Expert's Citation	Methodological Limitation(s) of Study	Selected Study Findings	Miscellaneous
18	Travis J. Miller et al., Breast Augmentation in Male-to-Female Transgender Patients: Technical Considerations and Outcomes, 21 JPRAS Open 63 (2019)	Schechter Report at 15 n. 5 (ECF 37-2) Schechter cites Miller et al. for the claim that "100% of transgender women who underwent breast augmentation reported improvement in their gender dysphoria and 'would undergo the operation again."	 Case study Retrospective review Small sample size Participants lost to follow-up or unable to be contacted Invariable follow up times Inadequate monitoring of long-term anatomic and functional consequences Lack of validated, standardized patient-reported outcome measures Response bias Based on single surgeon's experience Unrelated to genital transition surgery Focus on surgical outcomes and complications only 	 "To date, few surgeons offer dedicated care to transgender patients; hence, a significant portion of the senior author's practice is made up of patients who travel long distance for care. Thus, it is not surprising that several of the patients in this study were lost to follow-up or unable to be contacted" 73. "the PROM inventory was not completed by any of the six patients who experienced a complication. This may lead to some level of response bias in our [] data" 73. "[T]his is a single-institution, single-surgeon experience." 72. 	In his deposition, Dr. Schechter disagreed there is a lack of validated, standardized, patient-reported outcome measures for gender affirming surgery because "those measures, probably since this paper was written [2019], either have been or are being developed" But he could not cite a more recent study in which those measures were discussed. (Schechter Dep. 61:19 – 62:13).

			 Not focused on surgery's effect on gender dysphoria No measurement of gender dysphoria 	 "This study is limited by the relatively small sample size and variable follow-up times." 72–73. "Further studies are needed to determine validated, standardized patient-reported outcome measures for gender-affirming surgery" 72. 	
19	Alcon, Andre et al., Quantifying the Psychosocial Benefits of Masculinizing Mastectomy in Trans Male Patients with Patient-Reported Outcomes, Plast. Reconstr. Surg. 2021 May 1;147(5):731e-740e (abstract only)	Schechter Report at 15 (ECF 37-2) Schechter writes, "In a prospective study utilizing a validated quality of life assessment tool, Alcon et al. demonstrated significant improvements in quality of life up to 1 year following chest surgery."	 Small sample size Small response rates Unrelated to genital transition surgery Unrelated to trans women Short follow-up time of one-year post-surgery Relied on self-reporting Small cohort Single center focus Focus on QoL No measurement of gender dysphoria 	 "Although previous studies suggest improved psychosocial outcomes after gender -affirming surgery, there are no transgender-specific instruments available to assess its effects on patient quality of life." "the study is limited by a small cohort at a single center" 	
20	Emily Newfield et al., Female-to-Male Transgender Quality of Life, 15 Quality of Life Research 1447 (2006)	Schechter Report at 16 n. 7 (ECF 37-2) Schechter cites Newfield et al. for the	Retrospective reviewSelf-selection biasInternet-based survey	"We required a unique user name and password to advance beyond the homepage of the website. Although this	In his deposition, Dr. Schechter agreed that bias would exist due to self-selecting participants "in the extent that these

claim that: "Those who have received top surgery reported higher QOL (quality of life) scores than those who had not received surgery, statistically significant findings (p<0.01) for the General Health Social Functioning, and all three mental health concepts."	 Lack of diagnostic measurement tools No measurement of gender dysphoria 	procedure helped prevent duplicate submissions by the same participant, we could not employ more sophisticated computerized systems due to administrative and financial constraints." 1449. "This survey, as with all research pertaining to the transgender community, is biased by self-selection Clearly, there is a significant opportunity for individuals to falsify their identity in order to participate." 1454. "The issues of potential biases are significant and, as such, the results do reported here may not reflect the health and well-being of the entire FTM transgender community, but only the experiences of white, educated, urban FTMs."	are people who have undergone intervention which they found helpful." (Schechter Dep. 65:3–66:9).
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21	Weigert et al., Patient Satisfaction with Breasts and Psychosocial, Sexual, and Physical Wellbeing after Breast Augmentation in Male- to-Female Transsexuals, Plastic and Reconstructive Surgery, 132(6)	Schechter Report at 17 n. 8 (ECF 37-2) Schechter cites Weigert et al., stating, "a peerreviewed study of transgender women found that those who underwent breast reconstruction surgeries experienced statistically significant improvements in their psychosocial wellbeing."	 Consecutive case series Small sample size Participants lost to follow-up or unable to be contacted Unrelated to genital transition surgery—only reported outcomes of breast augmentation Not focused on surgery's effect on gender dysphoria 	 "A total of 35 patients were recruited for participation." 1424. "All patients completed the BREAST-Q both 3 weeks preoperatively and at a median of 4.0 months following augmentation. Twenty-one patients completed the BREAST-Q again at a median of 20.7 months." 1425. "Despite meaningful results on quality of life, this study has some significant limitations. A significant number of questionnaires were missing in the long term (14 of 35 patients). Eight patients were interviewed too early, as less than 6 months had elapsed since the intervention, and six patients were lost to follow-up." 1428. 	In his deposition, Dr. Schechter stated that is not uncommon to have patients lost to follow-up in this type of study: "survey response rate or being lost to follow-up are situations in which we have to deal with in all areas of medicine and surgery." (Schechter Dep. at 69:11–70:14.
22	Horbach et al., Outcome of Vaginoplasty in Maleto-Female Transgenders: A Systematic Review of	Schechter Report at 17–18 n. 9 (ECF 37-2) Schechter states Horbach et al. is "Another peer-	 Focus on surgical outcomes and complications No measurement of gender dysphoria 	• In this systematic review of relevant literature: ""Twenty-six studies satisfied the inclusion criteria. The majority of these studies were	In his deposition, Dr. Schechter stated that the focus of this study was on the operative techniques of GCS, and that "this study is not

Surgical Techniques, J. Sex Med., 1499–1512 (2015)	reviewed study of transgender women who had vaginoplasty found that study participants' mean improvement in quality of life after surgery was 7.9 on a scale from one to ten."	retrospective case series of low to intermediate quality." 1499. • "There is only one study [28] that reports improvement in [quality of life] in patients who underwent penile skin inversion vaginoplasty." 1506. speaking or that conclusion is not in reference to the efficacy of gender-affirming surgery." (Schechter Dep. 74:13–75:4).
		 "It is impossible to identify the 'best available' technique for vaginoplasty in MtF patients due to a lack of high-quality evidence and the heterogeneity of surgical techniques, patient groups, and outcome measures." 1510. "There is a need for prospective studies with standardized surgical procedures, larger patient groups, and a longer follow-up period. Uniformity in outcome measurement tools such as validated questionnaires and scores for sexual function and QoL is mandatory for

Hess et al., Satisfaction with Male-to-Female Gender Reassignment Surgery, Dtsch Arztebl Int, 795–801 (2014)	Schechter Report at 18 n. 10 (ECF 37-2) Schechter cites Hess et al. to state that "Another study of transgender women found that surgical interventions were highly correlated with alleviating gender dysphoria."	 Retrospective, consecutive case study Participants lost to follow-up or unable to be contacted Incomplete participant responses Response bias No discussion of complications No preoperative data with which to compare postoperative data Not focused on surgery's effect on gender dysphoria No measurement of gender dysphoria 	comparability between studies and correct interpretation of obtained data." 1511. • "Retrospective study involved consecutive patients who had undergone male-to-female gender reassignment surgery." 797. • "A total of 119 completed questionnaires were returned This represents a response rate of 46.9%" 797. • "The response rate of less than 50% must be mentioned as a shortcoming of this study." This may have led to a bias in the results. If all patients who did not take part in the survey were dissatisfied, up to 50.1% and 54.6% would be dissatisfied with aesthetic or functional outcome respectively." 800. • "It is also possible that the positive results of	The Center for Medicaid Services' (CMS) review of GCS-related literature, (Ex. 64), noted the nonresponse rate of several questions from Hess et al.: Of the participants, 13 (10.9%) reported dissatisfaction with outward appearance and 16 (13.4%) did not respond; three (2.5%) reported dissatisfaction with surgical aesthetics and 25 (21.0%) did not respond; eight (6.7%) reported dissatisfaction with functional outcomes of the surgery and 26 (21.8%) did not respond; 16 (13.4%) reported they could not achieve orgasm and 28 (23.5%) did not respond; four (3.4%) reported feeling completely male/more male than female and 28 (23.5%) did not respond; six (5.0%) reported not
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				our survey represent patients' wish for social desirability rather than the real situation. However, this cannot be verified retrospectively."	feeling accepted as a woman, two (1.7%) did not understand the question, and 17 (14.3%) did not respond; and 16 (13.4%) reported that life was harder and 24. 17 (20.2%) did not respond."
24	Hadj-Moussa et al., Feminizing Genital Gender-Confirmation Surgery, Sex Med. Rev., 1–14 (2018)	Schechter Report at 18 n. 11 (ECF 37-2) Schechter cites Hadj-Moussa et al., stating "A recent literature review concluded that in appropriately selected individuals, gender-affirming surgery is effective at improving quality of life, overall happiness, and sexual functioning in transgender women who are diagnosed with gender dysphoria."	 Focus on surgical outcomes and complications only No measurement of gender dysphoria 	 "Patients also should be aware that 25% to 80% of patients undergo secondary procedures to optimize voiding or vulvar comesis after vaginoplasty." 8. "Clinically significant bleeding occurs in 1.7% to 10% of cases." 8. "Rates of dyspareunia vary widely in the literature, from 0% to 24%." 10. 	
25	Papadopolus et al., Male-to-Female Sex Reassignment Surgery Using the Combined Technique Leads to Increase Quality of Life in a Prospective Study.	Schechter Report at 18 n. 12 (ECF 37-2) Schechter cites Papadous et al. stating: Another recent post- operative and six-	 Small sample size Survey of a single surgeon's patients Participants lost to follow-up or unable to be contacted Short follow-up time 	• "Between October of 2012 and January of 2014, 49 patients met our inclusion criteria and 47 consented to participate in our study	

Plastic and	month follows up	hofore soy reassignment
	month follow-up	before sex reassignment
Reconstructive Surgery	survey of transgender	surgery." 287.
(2017)	female patients found	"The study participants
	improvements in	received the first set of
	quality of life in a	questionnaires in person
	significant majority of	at admission to the
	patients."	hospital, 1 day before
		their first stage of sex
		reassignment surgery
		(time 0) The second
		set was sent out by mail
		6 months after the
		second stage (time 1)
		(Fig. 1). This follow-up
		period ensured enough
		time had passed for the
		patients to get
		accustomed to their final
		surgical results but also
		guaranteed high
		response rates
		postoperatively. Patients
		who did not send back
		the second questionnaire
		within 4 weeks were
		encouraged to do so by
		phone. On average, the
		questionings were
		separated by 11.3 ± 3.2
		months. In this article,
		we present the results of
		the 39 patients who,
		ultimately, filled out
		both sets of

					questionnaires (return rate, 83 percent)." 287.	
26	Frederick et al., Chest Surgery in Female to Male Transgender Individuals, Ann. Plast. Surg. 2017;78: 249–253	Schechter Report at 18 n. 13 (ECF 37-2) "one study found that transgender men who received chest reconstruction found that the procedure improved psychosocial well-being and physical well-being among participants."	 Small sample size No validated method of assessing transgender surgery outcomes Unrelated to genital transition surgery Unrelated to trans women 	•	"There is no validated method of assessing transgender surgery outcomes, because this population presents problems for follow-up. These surgeries are relatively uncommon, the patients often travel long distances for their operation, patients often move and change identity, and transgender patients are particularly concerned with maintaining confidentiality." 253. "However, these metrics are not sufficient and do not examine how the patient is integrating into their new life. Transgender and nontransgender cosmetic patients have similar preoperative feelings toward their bodies, similar cosmetic and psychological motivations for surgery, and similar	Dr. Schechter agrees that the study's finding of long-term complications in 10.2% of the patients for auxiliary dog ear, and in 13.6% of patients for hypertrophic scar was high compared to his practice. Dep. Shechter at 86:14-25.

				benefits of surgery." 253.
of Li After Masc Fema Tran A Pr Using and I	rwal et al., Quality ife Improvement or Chest Wall culinization in hale-to-Male hasgender Patients: rospective Study ag the BREAST-Q Body Uneasiness (71, 651–57 (2018)	Schechter Report at 18–19 n. 14 (ECF 37-2) "Another peer-reviewed study of transgender men who received chest reconstruction found that the procedure improved psychosocial well-being and physical well-being among participants."	 Small sample size Selection bias Low response rate Inadequate follow-up data over extended time Survey of a single surgeon's patients Lack of standardized evaluation metrics Lack of transgender specific measurement tools No measurement of gender dysphoria 	 "Survey invitations were sent out between one and two weeks preoperatively and again six months postoperatively." 653. "Out of 87 eligible patients, a total of 43 completed both the preoperative and postoperative surveys, of which 42 were able to be linked to their chart data through the provided email address, for a response rate of 48%." 653–54. "Our study is limited by cohort size, the relative lack of diversity in the respondents (most were White), and the possibility of selection bias in those that were motivated to respond to the surveys. Additionally, the study does not take into account the timing and effect or testosterone therapy, or other

34	Buncamper et al.,	Levine Deposition at	Retrospective study	could have confounded the study findings." at 9. • "Finally, the Chest Dysphoria Scale is not yet validated and may not represent distress or correlate with validated measures of quality of life, depression, anxiety, or functioning." at 10. • "A weakness of our	"You need to understand
	Surgical Outcome after Penile Inversion Vaginoplasty: A Retrospective Study of 475 Transgender Women, Plastic & Reconstructive Surgery (Nov. 2016)	Plaintiff's counsel confronts Dr. Levine with article he was unfamiliar with to suggest the article was of "moderate" quality.	 Survey of a single institution's patients Survey of only one-type of surgical technique Patients with post-surgery complications may have been lost to follow-up Does not measure genital dysphoria Does not measure gender dysphoria 	study is that patients with complications may have presented at other (international) institutions, which may influence long-term follow-up data." 1006. "In our study, comordid diabetes was associated with a higher risk of local infection after penile-inversion vaginoplasty." 1006.	that retrospective studies done by surgeons I don't know whether you see, I don't know how many people died, how many people suicided. This is talking about the surgical complication rates. It's not talking about anything else. It's not even talking about whether about genital dysphonia or gender 22 dysphoria or mental health." (Levine Dep. at 90:15-22). "The other thing is if the vast majority of articles show inconvincing evidence and if one shows convincing

				evidence, what do we make of that? You see, in science, one study is not enough to prove anything. One study is enough to generate a hypothesis that needs to be tested." (Levine Dep. at 91:11-16).
Van de Grift et al., Surgical Indications and Outcomes of Mastectomy in Transmen: A Prospective Study of Technical and Self- Reported Measures, Plastic and Reconstructive Surgery 140(3) (2017)	Schechter Report at 19 n. 15 (ECF 37-2) Schechter cites Olson-Kennedy et al. to point out additional studies that "have reached similar conclusions" supporting GCS.	 Small sample size Focus on surgical outcomes and complications only Participants lost to follow-up or unable to be contacted Lack of validated, standardized patient-reported outcome measures Unrelated to genital transition surgery No measurement of gender dysphoria 	 "Twenty-six participants (79 percent) returned the survey with self-reported measures." 419e. "The present study was limited by the relatively short follow-up period, resulting in uncertain final satisfaction and secondary correction rates. Also, no objective preoperative measures of breast size was used, and no external measure. Such as photography or the surgeon's evaluation, of the cosmetic outcomes was obtained to relate to the self-reported measures. Lastly, no validated instruments on self-reported outcomes 	

patients' abilities to

		initiate and maintain intimate relationships."			
89	Jarolim et al., Gender Reassignment Surgery in Male-to-Female Transsexualism: A Retrospective 3-Month Follow-up Study with Anatomical Remarks, Journal of Sexual Medicine 6, 1635–44 (2009)	Ettner Report at 10, 12 (ECF 37-1) Ettner cites Jarolim et al. for multiple claims. First, that "Studies have shown that by alleviating the suffering and dysfunction caused by severe gender dysphoria, genderaffirming surgery improves virtually every facet of a patient's life. This includes satisfaction with interpersonal relationships and improved social functioning." And second, that ""Studies have also shown that surgery improves patients' abilities to initiate and maintain intimate relationships."	 Old Retrospective review Short follow-up time (3 months) Focus on surgical outcomes and complications only Not focused on surgery's effect on gender dysphoria No measurement of gender dysphoria Inadequate follow-up data over extended time 	"Gender reassignment surgery carries a high risk of micturition problems including urinary stress incontinence and overactive bladder." 1642.	
90	Gijs & Brewaeys, Surgical Treatment of gender dysphoria in adults and adolescents:	Ettner Report at 11 (ECF 37-1)	OldLimited by the overall poor quality	"Methodologically, however, this conclusion should be carefully qualified. Not one of the	

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	recent developments, effectiveness, and challenges, Annual Review of Sex Research, 18(1) (2007)	Ettner quotes Gijs & Brewaeys findings in support of GCS: "The researchers concluded: 'Summarizing the results from the 18 outcome studies of the last two decades, the conclusion that gender affirming surgery is the most appropriate treatment to alleviate the suffering of extremely gender dysphoric individuals still stands: Ninety-six percent of the persons who underwent surgery were satisfied and regret was rare."	of the literature in this field.	reviewed outcome studies was a controlled one." 199. "In many studies, sound psychometric instruments were not used. Especially disturbing is that many researchers did not directly measure gender dysphoria as the main outcome variable but instead used derivative measures, for example, satisfaction with surgery, sexual and interpersonal relationships, occupational and global functioning, or quality of life in general." 199. "In addition to the design problems of the studies, patient numbers are seriously skewed. A large number of patients	
		percent of the persons who underwent surgery were satisfied and		sexual and interpersonal relationships, occupational and global functioning, or quality of life in general." 199. • "In addition to the design problems of the studies, patient numbers are seriously skewed. A	
				who received surgery were lost at follow-up. For the FMs the attrition rate varies between 0% and 81%, with an average of 24% For the MFs, between 0% and 73% did not participate in the	

Ainsworth & Spiegel, Quality of Life of Individuals with and without Facial Feminization Surgery or Gender Reassignment Surgery, Quality of Life Research 19, 1019–24 (2010) Ettner Report at 12 (ECF 37-1) Ettner cites Ainsworth & Spiegel to support the claim that "Studies have shown that by alleviating the suffering and dysfunction caused by severe gender dysphoria, gender-affirming surgery improves virtually every facet of a patient's life. This includes satisfaction with interpersonal relationships and improved social functioning"	 Old Cross-section study Internet recruitment No controls to prevent duplicate responses Unrelated to genital transition surgery Lack of validated, standardized patient-reported outcome measures Response bias 	 "This high dropout rate significantly challenges the external validity or generalizability of our follow-up studies." 200. "Limitations of the overall survey include potential misclassification bias. Participants were asked to complete the survey if they identified themselves as a transgender woman." 1024. "We also did not collect data on the medical comorbidities of our patients The concern is that those with increasing number of debilitating medical co-morbidities have lower quality of life scores than their counterparts." 1024. 	The Center for Medicaid Services' (CMS) review of GCS-related literature, (Ex. 64), noted several problems with this study: "The investigators employed a self-designed Likert-style facial feminization outcomes evaluation questionnaire and a "San Francisco 36" health questionnaire. No citations were provided for the latter. It appears to be the Short-form (SF) 36-version 2. Changes or differences considered to be biologically significant were not pre-specified. Power corrections for multiple comparisons were not provided." 20. "The investigators reported that there were 247 participants. (The
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					numbers of incomplete questionnaires was not reported.) Of the 247 participants, 25 (10.1%) received only primary sex trait reassignment surgery, 28 (11.3%) received facial surgery without primary sex trait reassignment surgery, 47 (19.0%) received both facial and primary sex trait reassignment surgery, and 147 (59.5%) received neither facial nor reassignment surgery." 20–21.
92	Lawrence, A., Factors Associated with Satisfaction or Regret Following Male-to- Female Sex Reassignment Surgery, Archives of Sexual Behavior, 32(4), 299– 315 (2003)	Ettner Report at 12 (ECF 37-1) Ettner cites Lawrence (2003) to support the claim that GCS can lead to "improvement in self-image and satisfaction with body and physical appearance."	 Old Cross-sectional Based on single surgeon's experience Participants lost to follow-up or unable to be contacted Response bias No measurement of gender dysphoria 	• "The survey was publicized in advance through electronic media outlets that MtF transsexuals were known to read, and eligible persons were told they could decline to participate by calling a toll-free telephone number or by contacting [the surgeon's] office by email or by regular mail." 303.	

• "Information
concerning preoperative
factors was collected 1-7
years postoperatively,
which might have
resulted in inaccuracies
because of forgetting, or
because of coloring of
preoperative
recollections based on
postoperative
experiences." 312.
• "Because only 32% of
eligible persons returned
questionnaires, it is
possible that the study
participants may not
have constituted a
representative sample of
all those who underwent
SRS with [a particular
surgeon] during the
study period." 312.
• "Persons who
experienced especially
favorable results might
have been more likely to
reply because of their
feelings of gratitude, and
some individuals who
experienced regret or
unsatisfactory outcomes
might have committed
suicide, become
outday, secome

93	Lawrence et al., Measurement of Sexual	Ettner Report at 12 (ECF 37-1)	OldSmall sample size	institutionalized, or become reclusive; these factors could have biased the results toward more positive outcomes." 312. • "Consequently, the walls of the neovagina in	
	Arousal in Postoperative Male-to- Female Transsexuals Using Vaginal Photoplethysmography, Archives of Sexual Behavior 34(2), 135–45 (2005)	Ettner cites Lawrence et al. (2005) to support the claim that "Studies have also shown that surgery improves patients' abilities to initiate and maintain intimate relationships."	 Focus on surgical outcome in one area, sexual function Not focused on surgery's effect on gender dysphoria No measurement of gender dysphoria 	transsexuals are likely to be less highly vascularized than the walls of the vagina in natal women. They are also likely to be less capable of developing vasocongestion than the walls of natal vaginas, because they do not contain cavernous erectile tissue, and because they make only limited contact with residual erectile tissue, and only near the vaginal introitus." 141.	
94	Lawrence, A., Patient-Reported Complications and Functional Outcomes of Male-to-Female Sex Reassignment Surgery, Archives of Sexual Behavior 35, 717–727 (2006)	Ettner Report at 12 (ECF 37-1) Ettner cites Lawrence (2006) to support the claim that "Studies have also shown that surgery improves patients' abilities to	 Old Participants lost to follow-up or unable to be contacted Selection bias Focus on surgical outcomes and complications only 	"This study examined preoperative preparations, complications, and physical and functional outcomes of male-to-female sex reassignment surgery (SRS), based on	The Center for Medicaid Services' (CMS) review of GCS-related literature summarized some of the results of this study: "Happiness with sexual function and the reassignment surgery was reported to be lower

initiate and maintain intimate relationships." Lawrence (2006) used the same data set as Lawrence (2003).	 Based on single surgeon's experience Response bias Not focused on surgery's effect on gender dysphoria No measurement of gender dysphoria 	reports by 232 patients." 717. "Of the 727 eligible patients, 310 (43%) could not be contacted." 719. "Only 32% of eligible persons returned valid questionnaires, raising the possibility that these participants may not have constituted a representative sample of [the surgeon's] MtF SRS patients during the 6-year study period." 725. "Although the survey questionnaire described the complications of SRS in both lay and professional terms, complications reported by patients may not correspond exactly to what surgically trained persons would regard as complications. Consequently, comparison of the prevalence of self-reported complications in this study with the prevalence of complications in studies	when permanent vaginal stenosis, clitoral necrosis, pain in the vagina or genitals, or other complications such as infection, bleeding, poor healing, other tissue loss, other tissue necrosis, urinary incontinence, and genital numbness were present. Quality of life was impaired when pain in the vagina or genitals was present." 17. "Satisfaction with sexual function, gender reassignment surgery, and overall QOL was lower when genital sensation was impaired and when vaginal architecture and lubrication were perceived to be unsatisfactory. Intermittent regret regarding reassignment surgery was associated with vaginal hair and clitoral pain. Vaginal stenosis was associated with surgeries performed in the more distant past;

				in which assessments were conducted by surgically trained personnel (e.g., those in Table 1) should be undertaken cautiously, if at all." 726. whereas, more satisfaction with vaginal depth and width was present in more recent surgical treatment."
95	Lobato et al., Follow- Up of Sex Reassignment Surgery in Transsexuals: A Brazilian Cohort, Archives of Sexual Behavior 35, 711–715 (2006)	Ettner Report at 12 (ECF 37-1) Ettner cites Lobato et al. to support the claims that GCS can facilitate "greater acceptance and integration to the family" and improves patients' abilities to initiate and maintain intimate relationships."	 Old Retrospective review Small sample size Participants lost to follow-up or unable to be contacted Selection bias Short follow-up period Lack of a control group Invariable follow up times Inadequate monitoring of long-term anatomic and functional consequences Not focused on surgery's effect on gender dysphoria No measurement of gender dysphoria 	• "[F]our patients were not eligible and 26 patients (two from a different state) were contacted over the phone or during office visits to the hospital. Seven were lost to follow-up and 19 agreed to participate in the study." 712.
96	De Cuypere at al., Sexual and Physical Health After Sex	Ettner Report at 12 (ECF 37-1)	OldRetrospective review	• The first aim of this study was therefore to

Reassignment Surgery, Archives of Sexual Behavior 34, 679–90 (2005)	Ettner cites De Cuypere et al. to support the claim that "Studies have also shown that surgery improves patients' abilities to initiate and maintain intimate relationships."	 Small sample size Selection bias Participants lost to follow-up or unable to be contacted No measurement of gender dysphoria Response bias 	evaluate the long-term safety of the Ghent hormonal treatment regimen. Secondly, where most studies on transsexual people focus on long-term psychological, surgical, and physical health (Eldh, Berg, & Gustafsson, 1997; Pfafflin " & Junge, 1998), a surprisingly small number of studies have focused on the sexual life of postoperative transsexuals, although adequate sexual functioning is universally acknowledged as an important component of mental health. Little attention has been given to this subject and, indeed, the vast majority of follow-up studies investigated the sexual functioning only as part of the psychological or the surgical outcome.	
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• "The response rate
remains a difficult
problem in this type of
follow-up research. The
patients are either
difficult to trace because
of the frequent change
of residence, or because
of unwillingness to
participate in interviews
of this kind. This implies
that researchers can
never obtain the profiles
of those who fail to
respond. This selection
bias cannot be ignored."
689.
• "Other limitations of
this research are that
data were based on self-
reports and thus are
subjective. However, the
evaluation of SRS can be
made mainly on the
basis of such subjective
data, as SRS is intended
to solve a problem that
cannot be determined
objectively." 689.